

**AMENDMENT TO THE CLAIMS:**

**Please amend the claims as follows:**

13. (Currently amended) A fixture for anchorage in bone tissue, said fixture comprising:

a fixture anchoring portion and an application portion intended shaped and configured for connection with a prosthesis, wherein the application portion has an outer end and an end connected with said anchoring portion, said application portion being formed with, a with a flared part whose outer dimensions widen from said end connected to said anchoring portion in a direction toward the outer end of said application portion, wherein said flared part is elastically resilient transversely to the longitudinal direction of said fixture.

14. (Previously presented) The fixture according to claim 13, wherein said flared part is formed by an outer wall that surrounds a cavity which is open toward the outer end of said application portion, wherein said outer wall is provided with through-penetrating slots which extend from said outer end of said application portion and which connect the cavity with the outside of said outer wall.

15. (Previously presented) The fixture according to claim 13, wherein said anchoring portion includes a screw-threaded part which functions to anchor the fixture when screwed into bone material and wherein said flared part has a rotationally symmetrical outer contour around the center axis defined by said threaded part.

16. (Previously presented) The fixture according to claim 14, wherein said anchoring portion includes a screw-threaded part which functions to anchor the fixture when screwed into bone material and wherein said flared part has a rotationally symmetrical outer contour around the center axis defined by said threaded part.

17. (Currently amended) The fixture according to ~~claim 15~~ claim 14, wherein the flared part has the form of a truncated cone.

18. (Previously presented) The fixture according to claim 16, wherein the flared part has the form of a truncated cone.

19. (Previously presented) The fixture according to claim 17, wherein said truncated cone has a cone angle of 5°-12°.

20. (Previously presented) The fixture according to claim 18, wherein said truncated cone has a cone angle of 5°-12°.

21. (Previously presented) The fixture according to claim 17, wherein said truncated cone has a cone angle of 7°-9°.

22. (Previously presented) The fixture according to claim 18, wherein said truncated cone has a cone angle of 7°-9°.

23. (Previously presented) The fixture according to claim 17, wherein each said slot defines an angle  $\alpha$  with the radial direction of the truncated cone.

24. (Previously presented) The fixture according to claim 19, wherein each said slot defines an angle  $\alpha$  with the radial direction of the truncated cone.

25. (Currently amended) The fixture according to claim 23, wherein said slots slope rearwardly from within and outwardly the cavity to the outside of said outer wall in relation to the direction in which said fixture is rotated when screwing in said fixture, this direction being defined by said screw-threaded part.

26. (Currently amended) The fixture according to claim 24, wherein said slots slope rearwardly from within and outwardly the cavity to the outside of said outer wall in relation to the direction in which said fixture is rotated when screwing in said fixture, this direction being defined by said screw-threaded part.

27. (Currently amended) The fixture according to claim 23, wherein said slots slope forwardly from ~~within and outwardly~~ the cavity to the outside of said outer wall in relation to the direction in which the fixture is turned when screwing-in screwing in the fixture, said direction being defined by the screw-threaded part.

28. (New) The fixture according to claim 24, wherein said slots slope forwardly from ~~within and outwardly~~ the cavity to the outside of said outer wall in relation to the direction in which the fixture is turned when screwing-in screwing in the fixture, said direction being defined by the screw-threaded part.

29. (Previously presented) The fixture according to claim 23, wherein said slot angle  $\alpha$  is  $20^\circ$ - $40^\circ$ , at the axially and radially outer end of respective slots.

30. (Previously presented) The fixture according to claim 25, wherein said slot angle  $\alpha$  is  $20^\circ$ - $40^\circ$ , at the axially and radially outer end of respective slots.

31. (Previously presented) The fixture according to claim 27, wherein said slot angle  $\alpha$  is  $20^\circ$ - $40^\circ$ , at the axially and radially outer end of respective slots.

32. (Previously presented) The fixture according to claim 23, wherein said slot angle  $\alpha$  is  $27^\circ$ - $33^\circ$ , at the axially and radially outer end of respective slots.

33. (Previously presented) The fixture according to claim 25, wherein said slot angle  $\alpha$  is  $27^\circ$ - $33^\circ$ , at the axially and radially outer end of respective slots.

34. (Previously presented) The fixture according to claim 27, wherein said slot angle  $\alpha$  is  $27^\circ$ - $33^\circ$ , at the axially and radially outer end of respective slots.

35. (Previously presented) The fixture according to claim 14, wherein said outer wall has a thickness of 0.3-1.0 mm.

36. (Previously presented) The fixture according to claim 14, wherein said outer wall has a thickness of 0.5-0.7 mm.

37. (Previously presented) The fixture according to claim 13, wherein said fixture is made of titanium.

38. (Currently amended) The use of said fixture according to claim 13 for anchoring a prosthesis to bone ~~tissue tissue, comprising:~~

drilling a hole in the bone tissue; and

engaging said anchoring portion of the fixture in the hole in the bone tissue until said flared part of the fixture substantially fills the open end of the hole in the bone tissue and the transversely resilient part is compressed radially inwardly.